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› [BONAI](#) /

› BONAI 18-Slot Fast Battery Charger User Manual (Model VIP-1680C)

BONAI VIP-1680C

BONAI 18-Slot Fast Battery Charger User Manual

Model: VIP-1680C

1. INTRODUCTION

Thank you for choosing the BONAI 18-Slot Fast Battery Charger. This manual provides essential information for the safe and efficient operation of your charger. Please read it thoroughly before use and retain it for future reference.



Image 1.1: BONAI 18-Slot Fast Battery Charger with accessories.

2. SAFETY INSTRUCTIONS

- Use this charger only for rechargeable Ni-MH/Ni-CD AA, AAA, and 9V batteries. Do not attempt to charge non-rechargeable batteries, as this may lead to explosion, rupture, or leakage, causing personal injury or property damage.
- Do not disassemble, modify, or short-circuit the charger.
- Avoid exposing the charger to rain, moisture, or extreme temperatures.
- Keep the charger away from children and pets.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Ensure proper ventilation during charging. Do not cover the charger.
- If any abnormal conditions occur (e.g., smoke, strange odor), immediately unplug the charger and contact customer support.

The charger is equipped with multiple safety protections including overcharge, over-discharge, overheat, short-circuit, and reverse polarity protection to ensure safe operation.

MUTI-PROTECTION AND SECURITY

Provides A Greater Sense of Peace of Mind During Use



Over-Charge
Protection



Over-Current
Protection



Short Circuit
Protection



Over-Heat
Protection



Reverses Polarity
Protection



15-Hour
Safety Timer



Image 2.1: Multi-Protection and Security Features.

3. PRODUCT FEATURES

- **High Efficiency:** 18 independent charging slots allow simultaneous charging of various battery types.
- **Multi-Function Charger:** Supports AA, AAA (Ni-MH/Ni-CD), and 9V (Ni-MH/Li-ion) rechargeable batteries.
- **Intelligent MCU Control:** Advanced Microcontroller Unit (MCU) control for optimized charging.
- **LCD Screen Display:** Clearly shows the charging status of each individual battery.
- **Discharge Function:** Helps eliminate battery memory effect and prolong battery life.
- **Comprehensive Safety:** Built-in protections against overcharge, over-discharge, overheating, short-circuit, and reverse polarity.
- **8-Hour Safety Timer:** Automatically stops charging after 8 hours to prevent overcharging and save energy.

4. PACKAGE CONTENTS

- BONAI 18-Slot Fast Battery Charger (Model VIP-1680C)
- AC Power Adapter
- User Manual

5. SETUP

1. **Unpack:** Carefully remove the charger and all accessories from the packaging.
2. **Connect Power:** Plug the AC power adapter into the charger's DC input port, then plug the adapter into a standard wall outlet. The LCD screen will illuminate briefly.
3. **Insert Batteries:** Insert rechargeable AA, AAA, or 9V batteries into the appropriate slots, ensuring correct polarity (+/-). The charger features independent slots, allowing you to mix and match battery types and charge them simultaneously without pairing.

INDEPENDENT CHARGING

Insert Batteries at Will, No Pairing Required



Image 5.1: Independent Charging Slots.

6. OPERATING INSTRUCTIONS

6.1 Charging Process

- Once batteries are correctly inserted, the charger will automatically detect the battery type and begin charging.
- The LCD screen will display the charging status for each individual battery.

6.2 LCD Indicators

Indicator	Status	Description
Battery Icon (Flashing)	Charging In Progress	The battery is actively being charged.
Battery Icon (Solid)	Fully Charged	The battery has reached full capacity and charging has stopped.
"CHG" (for 9V slots)	Charging	Indicates 9V battery is charging.
Red LED (for 9V slots)	Charging	Indicates 9V battery is charging.

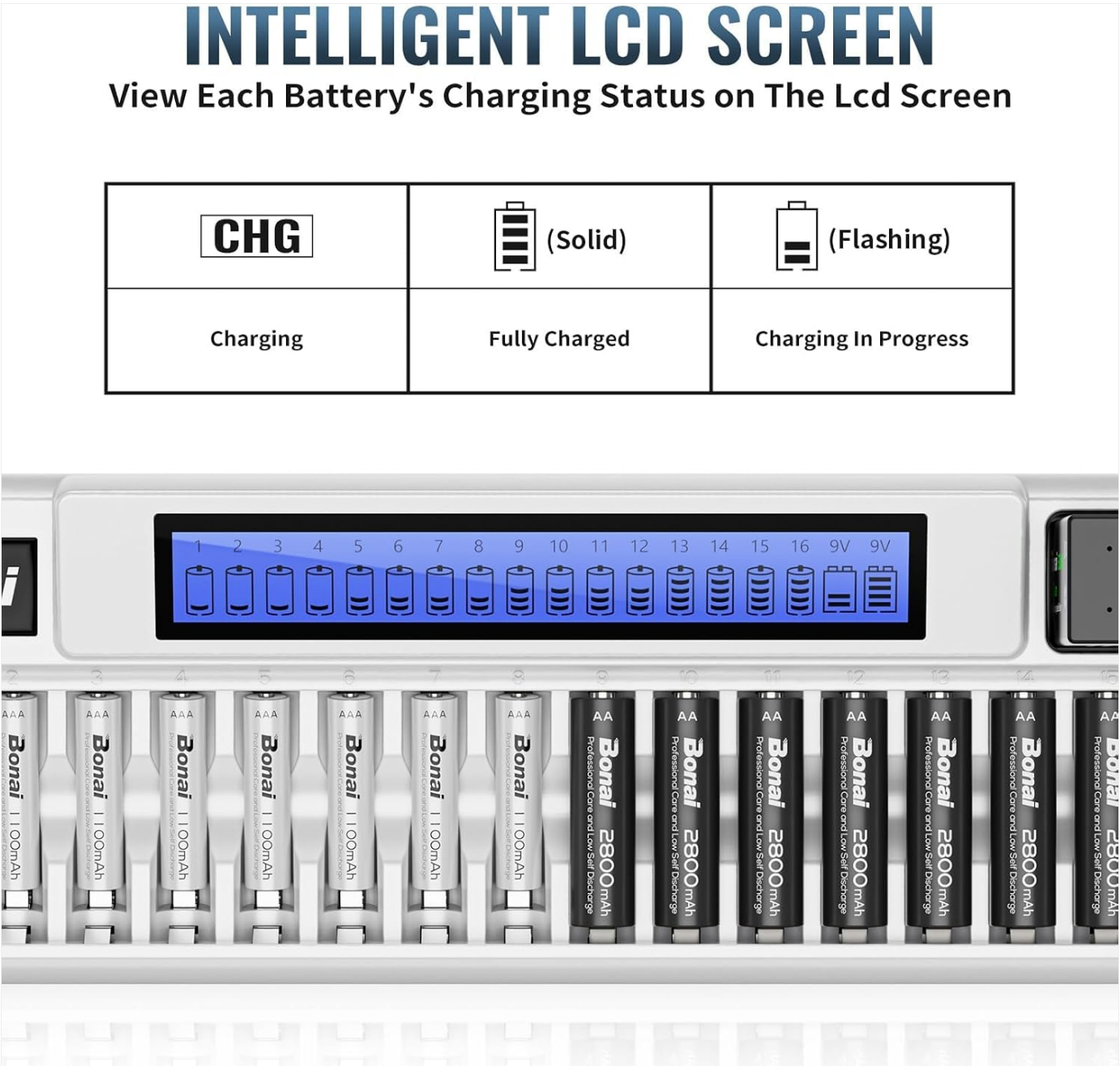


Image 6.1: Intelligent LCD Screen Display.

6.3 Trickle Charge Mode

After reaching full charge, the charger may enter a trickle charge mode to maintain optimal battery capacity. This helps maximize the battery's lifespan.

MAXIMIZE BATTERY CAPACITY

Trickle Charged Mode Will Help Maximize
The Capacity of Battery to Full

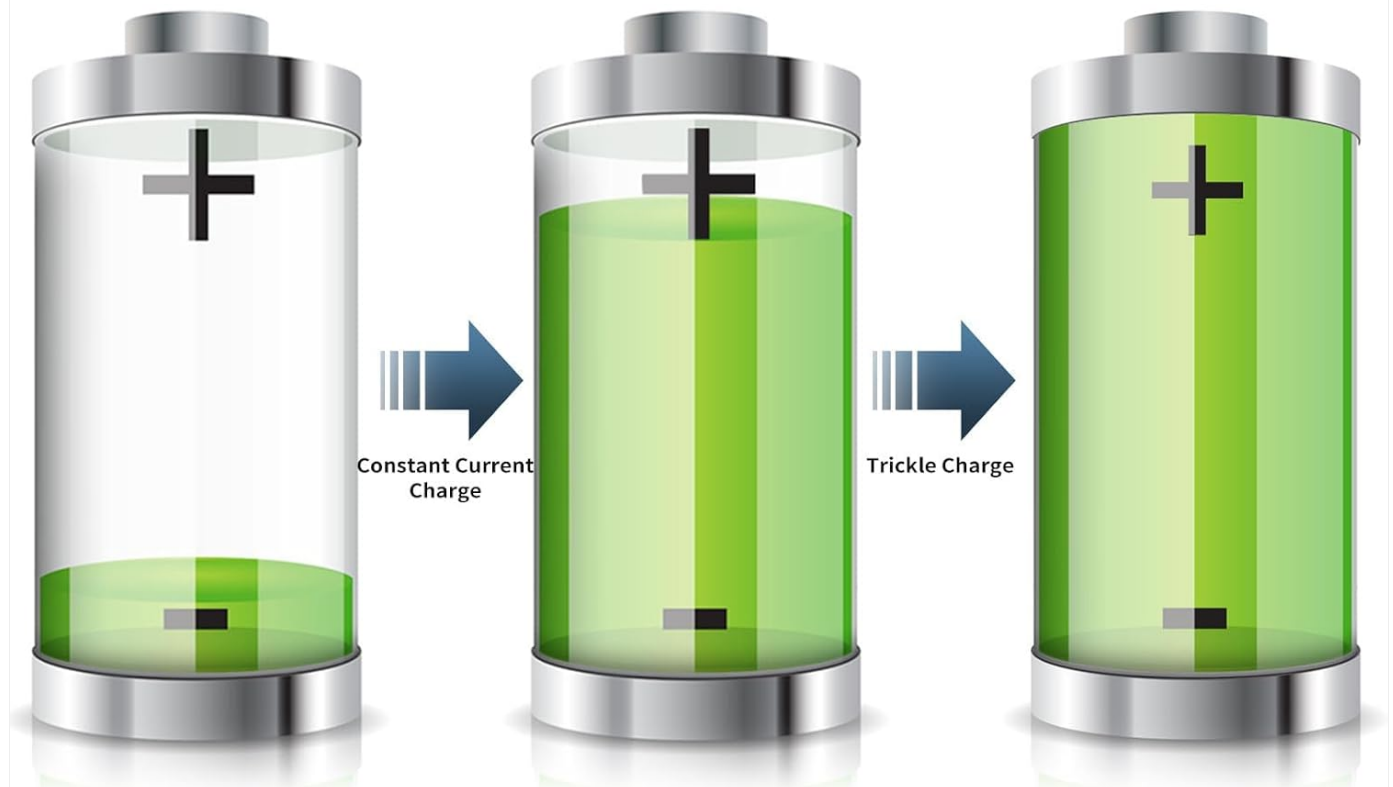


Image 6.2: Maximizing Battery Capacity with Trickle Charge.

7. DISCHARGE FUNCTION

The BONAI charger is equipped with a unique discharge function. To activate:

1. Insert the rechargeable batteries into the desired slots.
2. Press the discharge button located on the left side of the charger. The charger will enter discharge mode.

This function is beneficial for Ni-MH/Ni-CD batteries as it can help eliminate the "memory effect," which can reduce battery capacity over time. Discharging batteries periodically before recharging can help prolong their overall lifespan.

8. MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a soft, dry cloth to wipe the surface. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Remove batteries from the charger once fully charged. Do not leave batteries in the charger for

extended periods after charging is complete.

9. TROUBLESHOOTING

- **Batteries not charging:**
 - Ensure the power adapter is securely connected to both the charger and the wall outlet.
 - Verify that batteries are inserted with correct polarity (+/-).
 - Check if the batteries are rechargeable Ni-MH/Ni-CD/Li-ion. Non-rechargeable batteries will not charge.
 - Some batteries may be too old or damaged to accept a charge. Try different batteries.
- **LCD screen not displaying:**
 - Ensure the charger is properly connected to a power source.
 - If the issue persists, contact customer support.
- **Charger feels warm during operation:**
 - It is normal for the charger and batteries to become slightly warm during charging.
 - If the charger becomes excessively hot, unplug it immediately and allow it to cool down. Ensure adequate ventilation.

10. SPECIFICATIONS

Feature	Detail
Brand	BONAI
Model Number	VIP-1680C
Color	White
Compatible Battery Types	AA, AAA (Ni-MH/Ni-CD), 9V (Ni-MH/Li-ion)
Number of Slots	18 (16 for AA/AAA, 2 for 9V)
Input Voltage	9 Volts
Output Voltage	9 Volts (DC)
Current Rating	5 A
Charging Time	Approx. 8 hours (depending on battery capacity)
Product Dimensions	41P x 11.6I x 4.7H centimeters
Safety Certifications	CE (UL, CUL, TUV, GSPE, FCC, C-TICKCB, ROHS also mentioned in product features)

11. WARRANTY AND SUPPORT

BONAI products are designed and manufactured to the highest quality standards. For warranty information, technical support, or any questions regarding your product, please refer to the contact information provided with your purchase or visit the official BONAI website. Please have your model number (VIP-1680C) and purchase details ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question